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(54) INTERNAL COMBUSTION ENGINE

(57)Abstract:

PURPOSE: To reduce the cost of fuel by forming an internal combustion engine with a crankshaft made of spheroidal graphite cast iron, a cylinder block and a connecting rod each made of an Al alloy so as to enable reduction in the weight.
CONSTITUTION: This internal combustion engine is provided with a cylinder block and a connecting rod each made of an Al alloy and a crankshaft made of spheroidal graphite cast iron contg., by weight, 2.6W4% C, 1.5W3.5% Si, 0.2W1% Mn and 0.005W0.08% Mg. The amount of retained austenite in the cast iron has been regulated to 30W50vol% by austempering.

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